AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A process for reducing NO_x emissions in a gaseous combustion effluent stream containing oxides of nitrogen NO and~~/or~~ NO_2 and converting the oxides to nitric acid comprising:

a) adding hydrogen peroxide to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:

$2NO + H_2O_2 + O_2$ ----------> $2HNO_3$
$2NO_2 + H_2O_2$ ----------> $2HNO_3$
$2NO + 2NO_2 + O_2 + 2H_2O_2$ ---> $4HNO_3$.

2. (Original) The process of claim 1 and further comprising, after nitric acid is generated, sufficient amounts of potassium hydroxide are added to the effluent stream to generate potassium nitrate in second stage reactions as follows:

$2HNO_3 + 2KOH$ ----------> $2KNO_3 + 2H_2O$
$4HNO_3 + 4KOH$ ----------> $4KNO_3 + 4H_2O$.

3. (Original) The process of claim 1 wherein the hydrogen peroxide is added in aerosol form.

4. (Original) The process of claim 2 wherein the potassium hydroxide is added in particulate form.

5. (Original) The process of claim 1 wherein NO_x emissions are reduced to a level below 40 ppm.

6. (Currently Amended) A process for reducing NO_x emissions in a gaseous combustion effluent stream containing oxides of nitrogen NO and~~/or~~ NO_2 and converting the oxides to nitric acid comprising the steps of:

a) adding hydrogen peroxide in aerosol form to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:

$2NO + H_2O_2 + O_2$ ----------> $2HNO_3$
$2NO_2 + H_2O_2$ ----------> $2HNO_3$
$2NO + 2NO_2 + O_2 + 2H_2O_2$ ---> $4HNO_3$; and thereafter

b) adding sufficient potassium hydroxide in particulate form to the stream to generate potassium nitrate in second stage reactions as follows:

$2HNO_3 + 2KOH$ ----------> $2KNO_3 + 2H_2O$
$4HNO_3 + 4KOH$ ----------> $4KNO_3 + 4H_2O$.

7. (Original) The process of claim 6 wherein NO_x emissions are reduced to a level below 40 ppm.

8. (Currently Amended) A process for reducing NO_x emissions in a gaseous combustion effluent stream from a land-based gas turbine containing oxides of nitrogen NO and~~/or~~ NO_2 and converting the oxides to nitric acid comprising the steps of:

a) adding hydrogen peroxide to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:

$2NO + H_2O_2 + O_2$ ----------> $2HNO_3$
$2NO_2 + H_2O_2$ ----------> $2HNO_3$
$2NO + 2NO_2 + O_2 + 2H_2O_2$ ---> $4HNO_3$; and thereafter

b) adding sufficient potassium hydroxide to the stream to generate potassium nitrate in second stage reactions as follows:

$2HNO_3 + 2KOH$ ----------> $2KNO_3 + 2H_2O$
$4HNO_3 + 4KOH$ ----------> $4KNO_3 + 4H_2O$.

9. (Original) The process of claim 8 wherein the hydrogen peroxide is added in aerosol form.

10. (Original) The process of claim 8 wherein the potassium hydroxide is added in particulate form.

11. (Original) The process of claim 8 wherein NO_x emissions are reduced to a level below 40 ppm.